

**Aero Design Ltd.****Work Order Control Sheet**Work Order#: 2016-56 Date Opened: 13 April 16 Title: FabricationAircraft OEM: Airbus Helicopters Aircraft Model: AS350/355 Product Type: Placard Product Model: 78427-01 Quantity: 2**Work Order Contents**

	Initial or N/A
Work Order/Build Sheets (Procedures Provided)	N/A
Additional Work Sheets (Standard Practice)	N/A
Drawings (See List Below)	JC
Parts Distribution Sheet	JC
Sub Component Tags	N/A
Completed Certification (Original)	N/A
Time Sheet (R&D)	N/A
Notes	N/A

**Build Sheet Contents**

	Initial or N/A
Tasks Initialled	N/A
Dual Inspections Initialled	N/A

**Drawing List**

Drawing #	Rev #	Description	Initial or N/A
78427	2	Placard	JC

**Traveller**

Initial or N/A


**Component Completion**

	As Instructed
Quantity Complete on This Work Order	2
Quantity Incomplete on This Work Order	0
Further Processing Required Before Release	N/A
Release to Stock as Components	N/A

**Certification**

	Initial or N/A
Form One Completed	JC
Serviceable (Green) Tag Completed	N/A
In Process (Yellow) Tag Completed	N/A
Unserviceable (Red) Tag Completed	N/A
Parts Placed in Stores for Distribution	N/A

**Additional Documentation**

	Initial or N/A
Documentation of a minor change	N/A
Non-Conformance Report Required	N/A
Service Difficulty Report Required	N/A

**Billing**

	Initial or N/A
Local (Aero Design)	JC
Research and Development	N/A
Third Party	N/A

Work performed by:

Print: Jeff ClarkeSign: [Signature]SCA: AD02Date: 13-Apr-16

ICC / Dual Inspection performed by:

Print: Jason RekveSign: [Signature]SCA: AD01Date: 13-Apr-16

Work Order closed by:

Print: Jeff ClarkeSign: [Signature]SCA: AD02Date: 13-Apr-16

Approved Manufacturing Facility 73-04

Form 20.0/03

Rev. Original 23 Sep 2014

1. Approving Civil Aviation Authority/Country <b>Transport Canada</b>		2. AUTHORIZED RELEASE CERTIFICATE FORM ONE			3. Form Tracking No. <b>2016-0001</b>
4. Organization Name and Address <b>AERO Design Ltd. – 9888A Malaspina Road, Powell River, BC, V8A 0G3</b>					5. Work Order/Contract/Invoice <b>WO 2016-56</b>
6. Item <b>1.</b>	7. Description <b>Placard</b>	8. Part Number <b>78427-01</b>	9. Qty. <b>2</b>	10. Serial/Batch No. <b>N/A</b>	11. Status/Work <b>New</b>
12. Remarks <b>S/N 78401-01 and 78401-09</b>					
13a. Certifies that the items identified above were manufactured in conformity to:  <input checked="" type="checkbox"/> Approved design data and are in condition for safe operation. <input type="checkbox"/> Non approved design data specified in block 12.			<del>14a. <input type="checkbox"/> CAR 571.10 Maintenance Release</del> <del><input type="checkbox"/> Other regulation specified in block 12</del> <del>Certifies that unless otherwise specified in block 12, the work identified in block 11 and described in block 12, has been performed in compliance with the Canadian Aviation Regulations.</del>		
13b. Signature <i>Jeff Clarke AD02</i>		13c. Approved Organization Number <b>AMF 73-04</b>		<del>14b. Signature</del> <del>14c. Approved Organization Number</del>	
13d. Name <b>Jeff Clarke - AD02</b>		13e. Date (dd/mm/yyyy) <b>13 April 2016</b>		<del>14d. Name</del> <del>14e. Date (dd/mm/yyyy)</del>	
<p align="center"><b>Installer Responsibilities</b></p> <p>This certificate does not constitute authority to install.</p> <p>Installers working in accordance with the national regulations of a country other than that specified in block 1 must ensure that their regulations recognize certifications from the country specified.</p> <p>Statements in blocks 13a or 14a do not constitute installation certification. In all cases, the technical record for the aircraft must contain an installation certification issued in accordance with the applicable national regulations before the aircraft may be flown.</p>					

*LAKESTORE*

## Aero Design

### Parts Distribution Sheet

Description: PLACARDS

WO# 2016-56

[illegible]



2016-529, 2016-56

REV.	DESCRIPTION OF CHANGE	INITIALS	DATE
0	INITIAL ISSUE		
1	INCREASE LOAD TO 250 LBS / 113 KG	BJC	27/01/2010
2	UPDATE TITLE BLOCK; UPDATE ADDRESS AND LOGO; MAT'L THICKNESS CHANGED	BJC	10/07/2014

#### NOTES

- ENGRAVE 0.007 DEEP AS FOLLOWS:  
 "QUICK RELEASE BASKET" - 0.125 HIGH  
 "EUROCOPTER AS350 & AS355 SERIES" - 0.080 HIGH  
 "S/N 78401-XX" - 0.080 HIGH  
 "MAXIMUM PERMISSIBLE LOAD" - 0.125 HIGH  
 "250 LBS/113 KG" - 0.200 HIGH  
 "AERO DESIGN LTD." - 0.125 HIGH  
 "POWELL RIVER, BC, CANADA" - 0.080 HIGH  
 "www.aerodesign.ca" - 0.080 HIGH

DRILL #30 (0.129)  
4 PLACES




S/N 78401-01  
-09

01 PLACARD

Blank wo 2015-03

78427-01	01	PLACARD	6061-T6 ALUMINUM	QQ-A-250/11	0.050 SHEET
PART NO.	ITEM	DESCRIPTION	MATERIAL	MATERIAL SPEC	STOCK SIZE

#### LIST OF MATERIALS

THIS DRAWING CONTAINS INFORMATION AND DATA WHICH IS PROPRIETARY TO AERO DESIGN LTD. THIS DRAWING, OR ANY PORTION THEREOF, MAY NOT BE REPRODUCED, COPIED, OR DUPLICATED IN ANY MANNER, NOR USED FOR MANUFACTURING WITHOUT THE WRITTEN CONSENT OF AERO DESIGN LTD. BY ACCEPTING THIS DRAWING FOR REFERENCE, THE RECIPIENT AGREES TO HOLD AERO DESIGN LTD. HARMLESS FROM THE USE, OR MISUSE, OF THIS DRAWING OR THE INFORMATION CONTAINED THEREON.	<b>APPROVALS</b>		<b>DATE</b>		 <b>AERO DESIGN LTD.</b> 9888A MALASPINA ROAD POWELL RIVER, BC, CANADA, V8A 0G3 TEL: 804.483.2376      www.aerodesign.ca	
	DRAWN: R. RATHWELL		18 FEB 08			
	CHECKED: E. BURGAIN					
	UNLESS OTHERWISE SPECIFIED DIMENSIONS ARE IN INCHES. TOLERANCES ON: DECIMALS      ANGLES X.XXX ±0.010      ±1/2" X.XX ±0.03 X.X ±0.1				<b>EUROCOPTER AS350 &amp; AS355 SERIES          QUICK RELEASE CARGO BASKET          PLACARD</b>	
	SCALE 1 : 1 SHEET 1 OF 1		DWG. SIZE <b>A4</b>	DWG. NO. <b>78427</b>	REV. <b>2</b>	



## **Aero Design Ltd.**

9888 A Malaspina Rd., Powell River, BC  
V8A 0G3, 604-483-AERO (2376)

Quantity: 1

PN: 84261-01

Aircraft: Robinson

Model: R44

Description: Cargo Basket Handle

Supplier: Aero Design

Color: N/A

WO#: 2014-61

PO# N/A



## **Aero Design Ltd.**

9888 A Malaspina Rd., Powell River, BC  
V8A 0G3, 604-483-AERO (2376)

Quantity:

1

PN:

90612-01-01

Aircraft:

Robinson

Model: R44

Description:

RH Basket Lid

Supplier:

Aero Design

Color:

Black

WO#:

2014-60

PO# N/A



## **Aero Design Ltd.**

9888 A Malaspina Rd., Powell River, BC  
V8A 0G3, 604-483-AERO (2376)

Quantity: 1

PN: 90611-01-01

Aircraft: Robinson

Model: R44

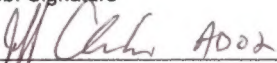
Description: RH Basket Body

Supplier: Aero Design

Color: Black

WO#: 2014-60

PO# N/A

1. Approving Civil Aviation Authority/Country <b>Transport Canada</b>		2. <b>AUTHORIZED RELEASE CERTIFICATE FORM ONE</b>			3. Form Tracking No. <b>2016-0012</b>
4. Organization Name and Address <b>AERO Design Ltd. – 9888A Malaspina Road, Powell River, BC, V8A 0G3</b>					5. Work Order/Contract/Invoice <b>WO 2016-57</b>
6. Item	7. Description <b>RH Cargo Basket</b>	8. Part Number <b>90610-01-01</b>	9. Qty. <b>1</b>	10. Serial/Batch No. <b>90601-14</b>	11. Status/Work <b>New</b>
12. Remarks <b>Black</b>					
13a. Certifies that the items identified above were manufactured in conformity to:  <input checked="" type="checkbox"/> Approved design data and are in condition for safe operation.  <input type="checkbox"/> Non approved design data specified in block 12.			<del>14a. <input type="checkbox"/> CAR 571.10 Maintenance Release   <input type="checkbox"/> Other regulation specified in block 12           Certifies that unless otherwise specified in block 12, the work identified in block 11 and described in block 12, has been performed in compliance with the Canadian Aviation Regulations.</del>		
13b. Signature 		13c. Approved Organization Number <b>AMF 73-04</b>		<del>14b. Signature</del>	
13d. Name <b>Jeff Clarke – AD02</b>		13e. Date (dd/mmm/yyyy) <b>14 April 2016</b>		<del>14c. Approved Organization Number</del>	
				<del>14d. Name</del>	
				<del>14e. Date (dd/mmm/yyyy)</del>	
<p align="center"><b>Installer Responsibilities</b></p> <p>This certificate does not constitute authority to install.</p> <p>Installers working in accordance with the national regulations of a country other than that specified in block 1 must ensure that their regulations recognize certifications from the country specified.</p> <p>Statements in blocks 13a or 14a do not constitute installation certification. In all cases, the technical record for the aircraft must contain an installation certification issued in accordance with the applicable national regulations before the aircraft may be flown.</p>					



## CARGO BASKET ASSEMBLY - COMMON

244 RH (1)

Complete  
(initial or SCA #)

Work Order: 2016-57

Date Open: 13 Apr 2016

AD or

### 1. Lid Assembly

- a. Install lid bumpers on bottom.
  - i. Fill bumper holes with RTV silicone sealant.
  - ii. Insert 49205-14 lid bumper, 3 or 4 places per lid.
- b. Install placard on bracket on top of lid.
  - i. Locate placard on bracket.
  - ii. Drill #30 through placard and bracket, using holes in placard.
  - iii. Remove placard and de-burr holes in placard and on bracket.
  - iv. Locate placard on bracket, and cleco in place.
  - v. Rivet placard with four CR3213-4-02 CherryMax rivets.
- c. Option: Install walkway on top of lid (lid must be fitted with walkway provisions)
  - i. Note: avoid touching surface of tread plate with bare hands to prevent smudges or marks on the top surface.
  - ii. Pull tread plate from stock. Shear tread plate to length.
  - iii. De-burr edges of tread plate with scotch-brite disc on die-grinder.
  - iv. Locate tread plate on lid. Hold tread plate in place with bags of lead shot.
  - v. Mark and drill #30 holes:
    1. 0.25" from edge of tread plate, centre on cross members (0.38")
    2. 0.25" from edge of tread plate, middle of each walkway stringer
  - vi. De-burr and counter-bore (if required to provide clearance of rivet head on checker pattern) all holes in tread plate using 1/4" piloted counter bore on both sides.
  - vii. De-burr holes in lid tubes.
  - viii. Apply bead of RTV silicone sealant along all tubes under tread plate.
  - ix. Set tread plate in place, secure with clecos if necessary.
  - x. Rivet placard with CR3213-4-02 CherryMax rivets
- d. Record PO/WO of all parts (including lid) used in steps above on attached material tracking list.

### 2. Body Assembly

AD-07

- a. Install attachment fittings
  - i. Carefully remove excess powder coat from around attachment lug threads using a countersink.
  - ii. Run 3/8-24 tap into attachment lugs to clear threads.
  - iii. Apply anti-seize compound to attachment fittings 96710-01 (alternate: Ancra 40088-14)
  - iv. Install attachment fittings with two NAS1149F0363P washers in four lugs in basket.
    1. 90610 (Robinson R44) basket only:
      - a. Install 1 fitting 906?? in lower forward attachment lug only.
      - b. Install 3 96710-01 fittings in remaining locations.
  - v. Torque to ??

- b. 946 Basket Only: Install Cutout Brace – *must be completed after hinge installation*
  - i. Locate 94621-01 Brace over aft cross tube cutout
  - ii. Install two AN4-6A bolts and two AN4-30A bolts with NAS1149F0463P washers.
  - iii. Torque AN4 bolts to ??
- c. Record PO/WO of all parts (including basket) used in steps above on attached material tracking list.

3. Hinge Installation AD02

- a. Prepare hinge.
  - i. Cut hinge to length:
    - 1. 776, 906 – 54"
    - 2. 751, 803 – 70"
    - 3. 698, 764, 945 – 72"
    - 4. 784 – 90"
    - 5. 940, 946, 959 – 95"
  - ii. Drill #30 pilot holes using hinge jig. For long hinges, flip at specified location on jig.
- b. Install hinge on basket
  - i. Locate hinge on basket (standard baskets)
    - 1. centre fore/aft
    - 2. 0.15" – 0.18" up from bottom edge
  - ii. Locate hinge on basket (extra wide baskets)
    - 1. centre fore/aft
    - 2. set hinge at 90 degrees (as if lid would be installed) using a small square, locate vertical side at 22.5" from outboard edge.
  - iii. Drill #30 through holes in hinge into basket rim. Cleco in place with 1/8 (copper) clecos.
  - iv. Drill holes up to #21 through hinge and rim. Replace 1/8 clecos with 5/32 (black) clecos.
  - v. Remove hinge and de-burr holes in hinge and basket rim.
  - vi. Cleco hinge to basket with 5/32 clecos.
  - vii. Install hinge with CherryMax rivets
    - 1. CR3523-5-02 monel rivets – last 2 rivets in each end
    - 2. CR3213-5-02 aluminum rivets – all other locations
- c. Install lid on basket
  - i. Locate lid on hinge (all baskets)
    - 1. center fore/aft
    - 2. 0.15" – 0.18" down from top edge
  - ii. Drill #30 through holes in hinge into lid rim. Cleco in place with 1/8 clecos.
  - iii. Drill holes up to #21 through hinge and rim. Replace 1/8 clecos with 5/32 clecos.
  - iv. Remove hinge and de-burr holes in hinge and lid rim.
  - v. Cleco lid to hinge with 5/32 clecos.
  - vi. Install hinge with CherryMax rivets
    - 1. CR3523-5-02 monel rivets – last 2 rivets in each end
    - 2. CR3213-5-02 aluminum rivets – all other locations

- d. Record PO of hinge and rivets on attached material tracking list.

#### 4. Install Handle

AD-07

##### a. Install handle brackets.

- i. Set 84267-01 handle bracket on provisions in hoops, 2 places.
- ii. Install AN3-11A bolt, NAS1149F0363P washer (2), MS21044N3 nut. Two places per bracket, two brackets per basket.
- iii. Torque AN3 bolts to ??.

##### b. Install handle

- i. Trim 36278-01R and 36278-01L springs to ensure end of spring does not extend past edge of handle bracket, approximately 1/8". Set springs over bushing of 84261-01 handle assembly.
- ii. Grease two 36275-01 bushings with ??. Insert into bushings of handle assembly.
- iii. Locate handle on basket lid. Insert AN3-12A bolt with NAS1149F0363P through bracket on lid and handle bushing on one end of handle.
- iv. On other end of handle, hook spring over catch rivet on handle assembly and use spring tool to twist spring to catch arm on bracket on lid while inserting AN3-12A bolt with NAS1149F0363P washer through lid bracket and handle bushing.
- v. At first end, remove bolt and repeat step iv.
- vi. Install NAS1149F0363P washer and MS21044N3 nut on both AN3-12A bolts.
- vii. Torque AN3 bolts to ??.

##### c. Check handle

- i. Operate handle to ensure handle does not bind and springs hold handle in.
- ii. Snap handle into brackets to ensure handle locks.

- d. Record PO/WO of all parts used in steps above on attached material tracking list.

#### 5. Install lid brace

AD-07

- a. Locate 36280-01 lid brace on bushing in basket. Ensure brace is on forward end of basket as it will be installed on the helicopter.
- b. On lid end, insert AN970-3 washer into end of lid brace. Insert AN3-15A bolt with NAS1149F0363P washer through AN970-3 washer, lid prop, and lid bushing. Install NAS1149F0363P washer and MS21044N3 nut on bolt.
- c. On basket end, insert AN3-17A bolt with AN970-3 washer through lid prop and basket bushing. Install NAS1149F0363P washer and MS2144N3 nut on bolt.
- d. Ensure brace is seated on lip of bushings before tightening nuts.
- e. Torque AN3 bolts to ??
- f. Record PO/WO of all parts used in steps above on attached material tracking list.



## CARGO BASKET ASSEMBLY - COMMON

Complete  
(initial or SCA #)

AD02

### 6. Final Inspection

Dual inspection by a different person than assembled the basket.

- a. Check for general condition and correct assembly:
  - i. Bolts are tight
  - ii. Rivets are installed correctly
  - iii. Handle operates correctly
  - iv. Lid brace operates correctly
- b. Check that PO/WO numbers have been recorded.



## CARGO BASKET ASSEMBLY - COMMON

2016-57

244 RH (1)

### General

These instructions apply to all cargo basket assemblies. Refer to the following drawings, at the current revision, for dimensions and details:

#### **Bell 206L/407 – Right side only**

69810, Revision 3 – Standard Low Mounted Basket

94510, Revision 0 – Extra-Wide Low Mounted Basket

94610, Revision 0 – Extra-Wide Low Mounted Ski Basket

76610, Revision 0 – High Mounted Ski Basket

#### **Eurocopter AS350/AS355 – left or right**

77610, Revision 1 – Short Basket

76410, Revision 3 – Medium Basket (left or right)

78410, Revision 2 – Long Basket

94010, Revision 0 – Extra Large (ski) Basket

#### **Robinson R44 – left or right**

→ 90610, Revision 0 – Standard Basket (left or right)

#### **Bell 206B – right side only**

80210, Revision 0 – Short Basket

80310, Revision 0 – Medium Basket

81110, Revision 0 – Long Basket

#### **Bell 429 – right or left**

95911, Revision 0 – Standard Basket

#### **Bell Medium – left or right**

75111, Revision 0 – Standard Basket

95511, Revision 0 – Extra Large (ski) Basket

#### **MD600**

82811, Revision 0 – Standard Basket

#### **Options**

70405, Revision 3? – Lid Walkway

Work Order: 2016-57Date Opened: 13 APR 2016Material Tracking Sheet  
Robinson R44  
Basket Assembly

1 of 2

Ass'y Step	Qty	Detail Drawing	Part Number	Description	Material	PO/WO
	1		90610-01- 01	Cargo Basket Assembly	(-01 RH, -02 LH)	
<b>Step 1</b>				<i>Lid Assembly</i>		
	1		90612-01- 01	Basket Lid Assembly		2014-60
Step 1.a.	3		49205-14	Bumper	Argus Industries Bumper	11010
	A/R		--	Sealant	Commercial Silicone RTV sealant	
Step 1.b.	1		90627-01	Placard	0.063 Sheet, 6061-T6 Aluminum	2015-03
	4		CR3213-4-02	Cherry Rivet		15086
<b>Step 2</b>				<i>Basket Assembly</i>		
Step 2.a.	1		90611-01- 01	Basket Body Assembly		2014-60
	3		96710-01	Fitting	Alternate: Ancra 40088-14	
	1		90628-01	Fitting		
	8		NAS1149F0663P	Washer		
<b>Step 3</b>				<i>Hinge Installation</i>		
	1		MS20001P4	Piano Hinge	54"	13089
	8		CR3523-5-02	Cherry Rivet		13026
	A/R		CR3213-5-02	Cherry Rivet		13026
<b>Step 4</b>	1	84255	84255-01	<i>Handle Installation</i>		
Step 4.a.	2		84267-01	Bracket	Delrin, 3/4" Sheet	2016-37
	4		AN3-11A	Bolt		
	8		NAS1149F0363P	Washer		
	4		MS21044N3	Nut		
Step 4.b.	1		84261-01	Handle Assembly		2014-61
	2		36278-01	Spring (1 left, 1 right)	304 Stainless, 1/16" Dia Music Wire	
	2		36275-01	Bushing	Brass, 5/16" Dia	
	2		AN3-12A	Bolt		
	4		NAS1149F0363P	Washer		
	2		MS21044N3	Nut		

Work Order: 2016-51Material Tracking Sheet  
Robinson R44  
Basket Assembly

2 of 2

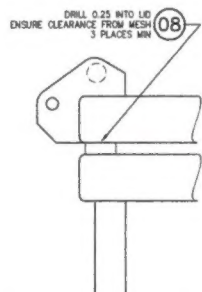
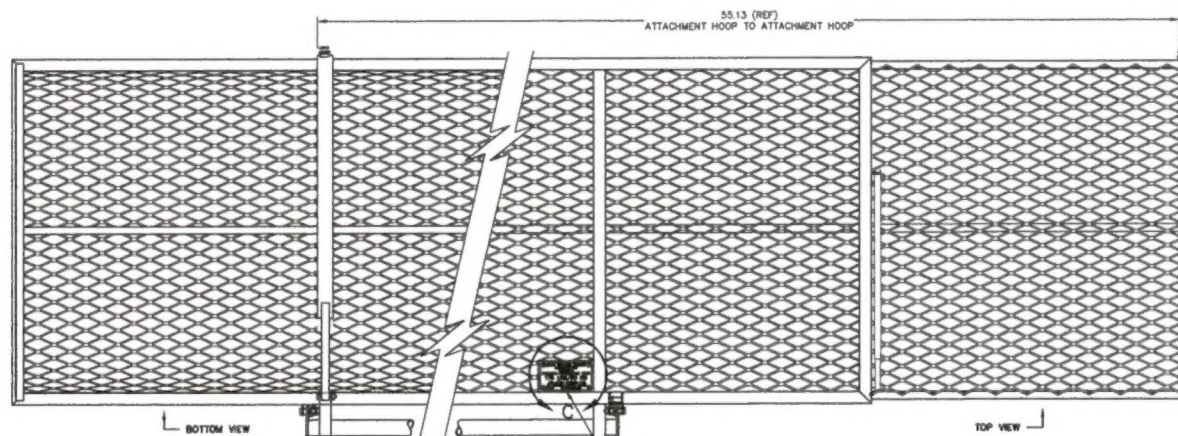
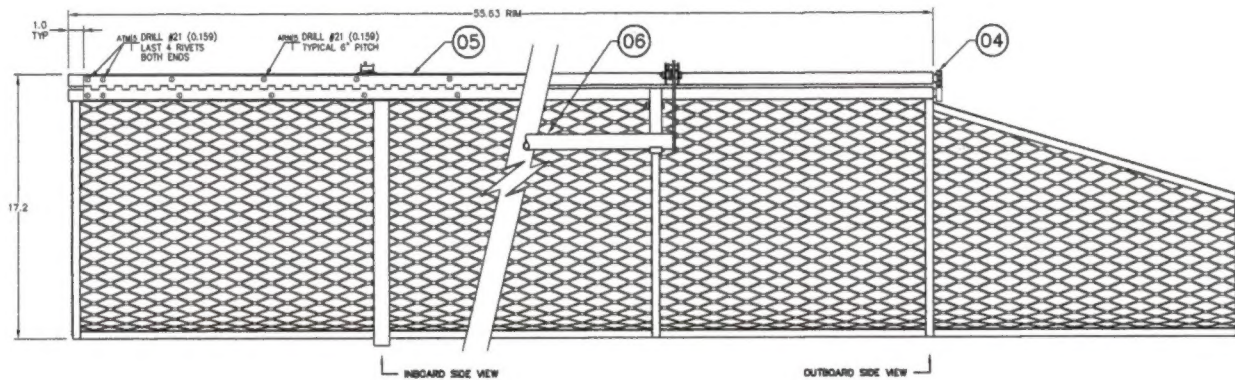
Date Opened: 13 APR 2016

Ass'y Step	Qty	Detail Drawing	Part Number	Description	Material	PO/WO
<b>Step 5</b>				<i>Lid Brace Installation</i>		
	. 1		36280-01	Brace Assembly		2016-32
	. 1		AN3-15A	Bolt		14084
	. 1		AN3-17A	Bolt		13084
	. 2		AN970-3	Washer		15014
	. 3		NAS1149F0363P	Washer		16005
	. 2		MS21044N3	Nut		15086
<b>Step 6</b>				<i>Inspection</i>	None	





2016-57



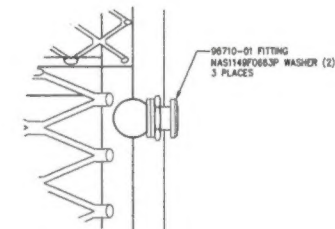
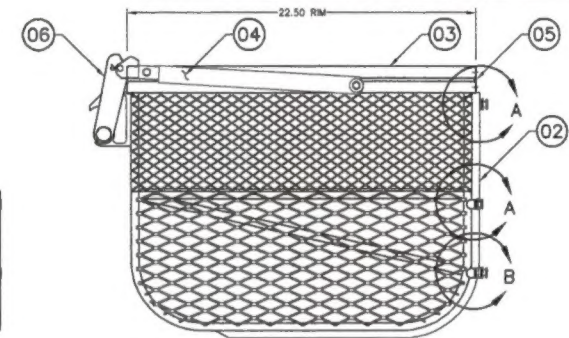
### BUMPER INSTALLATION



DETAIL C

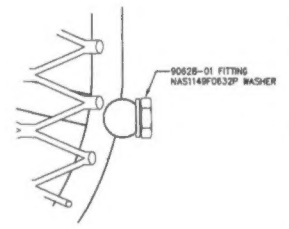
SCALE 1 : 1  
LOOKING AT PLACARD BRACKET

THIS DRAWING CONTAINS INFORMATION AND DATA WHICH IS PROPRIETARY TO AEGIO DESIGN LTD. THIS DRAWING, OR ANY PORTION THEREOF, MAY NOT BE REPRODUCED, COPIED, OR DUPLICATED IN ANY MANNER, NOR USED FOR MANUFACTURING WITHOUT THE WRITTEN CONSENT OF AEGIO DESIGN LTD. BY ACCEPTING THIS DRAWING FOR REFERENCE, THE RECIPIENT AGREES TO HOLD AEGIO DESIGN LTD. HARMLESS FROM THE USE, OR MISUSE, OF THIS DRAWING OR THE INFORMATION CONTAINED THEREIN.			
REV.	DESCRIPTION OF CHANGE	INITIALS	DATE
0	INITIAL ISSUE		
1	TITLE BLOCK UPDATED: HINGE LENGTH INCREASED; WASHER P/N'S UPDATED; ADD ALTERNATE RIVETS; CHANGE BRACE ASSEMBLY TO INSTALLATION	BJC	21/05/2014



DETAIL A

SCALE 1 : 1  
FRONT TOP AND REAR TOP AND BOTTOM POSITIONS




DETAIL B

SCALE 1 : 1  
FRONT BOTTOM POSITION ONLY

NOTE:

1. ALL DIMENSIONS SHOWN ARE FOR REFERENCE ONLY. DIMENSIONS OF COMPONENTS AND COMPLETE ASSEMBLY ARE DETERMINED IN PREVIOUS STEPS.

A/R	I/A	NAS1149F0632P	WASHER				
A/R	I/A	NAS1149F0663P	WASHER				
1	1	90828-01	FITTING				
3	3	96710-01	FITTING	ALTERNATE: ANCR4 4C08B-14			
8	B	CR3523-5-02	CHEERYMAX RIVET (MONEL)	ALTERNATE: HUCOMAX HR3523-5-02			
A/R	I/A	CR3213-5-02	CHEERYMAX RIVET	ALTERNATE: HUCOMAX HR3213-5-02			
4	4	CR3213-4-02	CHEERYMAX RIVET	ALTERNATE: HUCOMAX HR3213-4-02			
3	3	49205-14 08	BUMPER	ARGUS INDUSTRIES			
1	1	90627-02 07	PLACARD				
1	1	90627-01 07	PLACARD				
1	1	84255-01 04	HANDLE BAR INSTALLATION				
1	1	MS20001P4 05	Piano HINGE			54.0 LONG	
1	1	84240-01 04	LID PROP INSTALLATION				
1	1	90612-01-02 03	BASKET LID ASSEMBLY (LEFT HAND)				
1	1	90612-01-01 03	BASKET LID ASSEMBLY (RIGHT HAND)				
1	1	90611-01-01 02	BASKET BODY ASSEMBLY (LEFT HAND)				
1	1	90611-01-01 02	BASKET BODY ASSEMBLY (RIGHT HAND)				
1	1	90610-01-01 01	CARGO BASKET ASSEMBLY (LEFT HAND)				
1	1	90610-01-01 01	CARGO BASKET ASSEMBLY (RIGHT HAND)				
-02	-01	PART NO.	ITEM	DESCRIPTION	MATERIAL	MATERIAL SPEC	STOCK SIZE
				LIST OF MATERIALS			

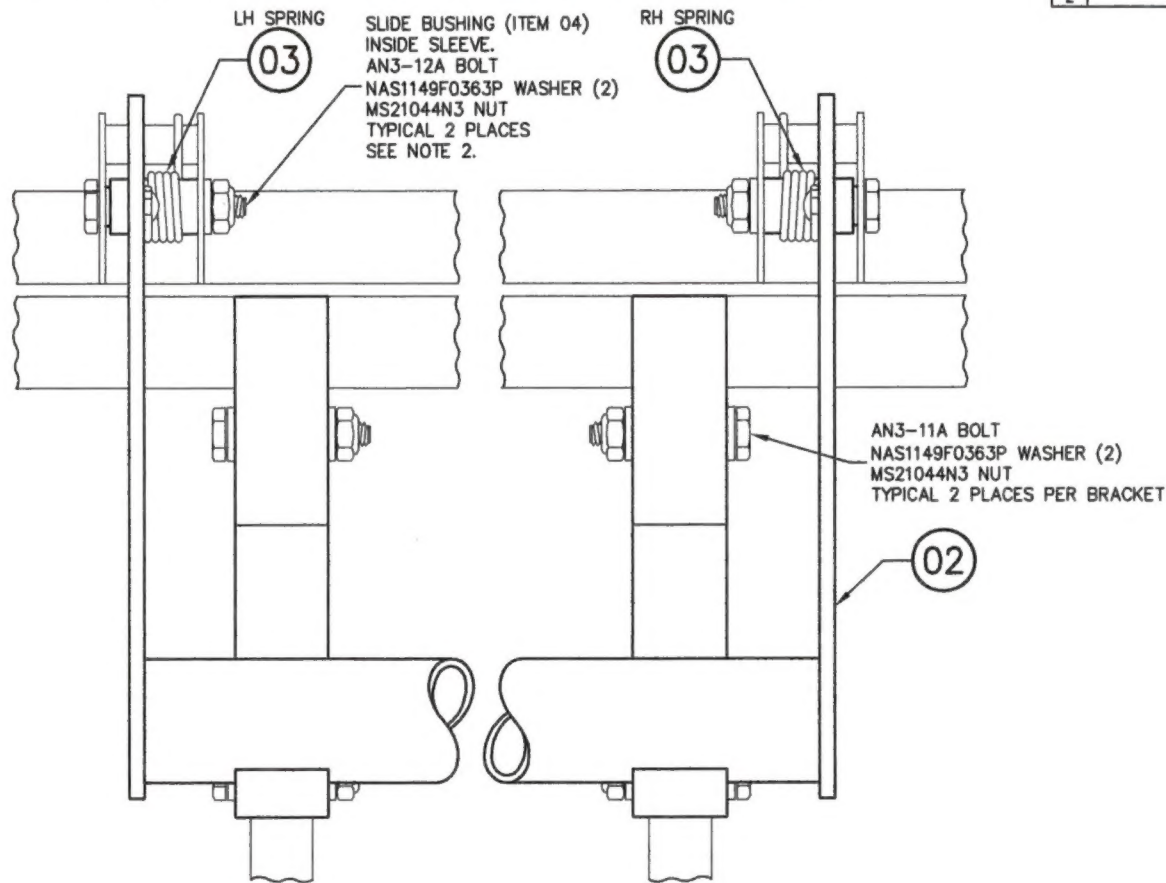
BASIC CODE REF. NAS 323		DASH NO. FOR DIMETER M=MTL HEAD NEAR SIDE F=MTL HEAD FAR SIDE		APPROVALS		DATE				AERO DESIGN LTD. 9808A MALAYSIA ROAD POWELL RIVER, BC, CANADA, V8A 0G3 TEL: 604-665-5776 www.aerodesign-ns.ca					
C=COUNTERSINK D=DIMPLE D(D)T=9 OF SHEETS TO BE DIMPLED		DASH NO. FOR LENGTH		DRAWN: JEFF CLARKE 13 SEPT 2010		CHECKED: E. BURGIN		UNLESS OTHERWISE SPECIFIED DIMENSIONS ARE IN INCHES. TOLERANCES ON:		ROBINSON R44, R44 II QUICK RELEASE CARGO BASKET CARGO BASKET ASSEMBLY					
BASIC CODES: BJ=MS20470AD BB=MS20426AD ARN=CR3213 ATN=CR3523		+ ⊕ INSTALL NEW RIVET + ⊕ REMOVE/REPLACE RIVET - ⊖ EXISTING RIVET		DECIMALS X.XXX ±0.010 X.XX ±0.03 X.X ±0.1		ANGLES ±1/2°				SCALE 1 : 4 SHEET 1 OF 1		DWG. NO. A1		DWG. NO. 90610	



2016-57

## NOTES:

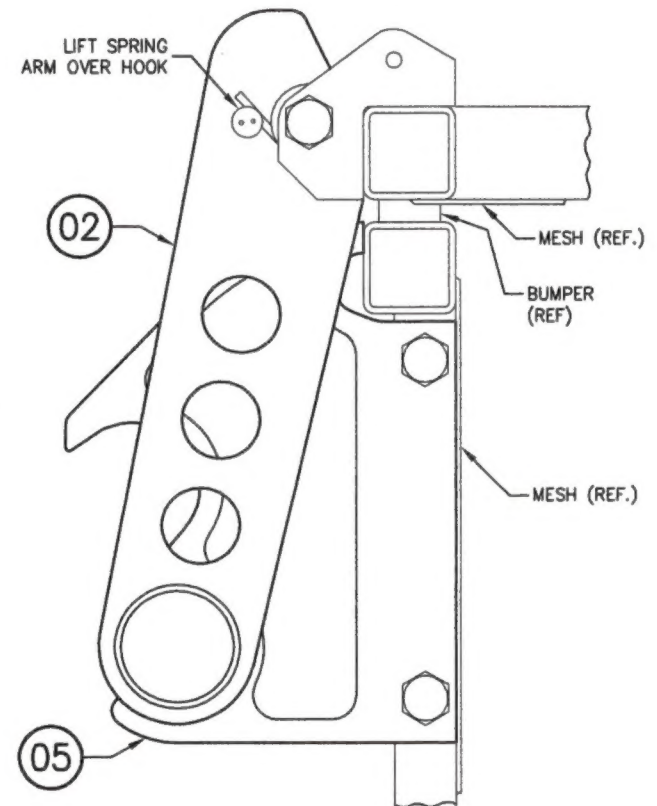
1. THIS DRAWING IS AN ALTERNATE CONFIGURATION FOR THE HANDLE INSTALLATION SHOWN ON DRAWING 36255.
2. GREASE BUSHING (ITEM 04) USING MOBILGREASE 28 OR EQUIVALENT PRIOR TO INSTALLATION.



# 01 HANDLE INSTALLATION

A/R	MOBILGREASE 28		GREASE	MIL-PRF-81322F
4	AN3-11A		BOLT	
2	AN3-12A		BOLT	
10	NAS1149F0363P		WASHER	
6	MS21044N3		NUT	
2	84267-01	05	BRACKET	
2	36275-01	04	BUSHING	
2	36278-01	03	SPRING (1 LH, 1 RH)	
1	84261-01	02	HANDLE BAR ASSEMBLY	
	84255-01	01	HANDLE INSTALLATION	
01	PART NO.	ITEM	DESCRIPTION	MATERIAL
QTY.	LIST OF MATERIALS			

THIS DRAWING CONTAINS INFORMATION AND DATA WHICH IS PROPRIETARY TO AERO DESIGN LTD. THIS DRAWING, OR ANY PORTION THEREOF, MAY NOT BE REPRODUCED, COPIED, OR DUPLICATED IN ANY MANNER, NOR USED FOR MANUFACTURING WITHOUT THE WRITTEN CONSENT OF AERO DESIGN LTD. BY ACCEPTING THIS DRAWING FOR REFERENCE, THE RECIPIENT AGREES TO HOLD AERO DESIGN LTD. HARMLESS FROM THE USE, OR MISUSE, OF THIS DRAWING OR THE INFORMATION CONTAINED THEREIN.			
REV.	DESCRIPTION OF CHANGE	INITIALS	DATE
0	INITIAL ISSUE - CREATED FROM 36255	BJC	NOV 03/09
1	HANDLE END BRACKETS FLIPPED	BJC	SEPT 19/11
2	TITLE BLOCK UPDATED; ADD NOTE 2; HARDWARE UPDATED	BJC	MAR 13/14



APPROVALS	DATE
DRAWN: JEFF CLARKE	03 NOV 2009
CHECKED: E. BURGAIN	

UNLESS OTHERWISE SPECIFIED  
DIMENSIONS ARE IN INCHES.  
TOLERANCES ON:  
DECIMALS ANGLES  
X.XXX  $\pm 0.010$   $\pm 1/2^\circ$   
X.XX  $\pm 0.03$   
X.X  $\pm 0.1$



## AERO DESIGN LTD.

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POWELL RIVER, BC, CANADA, V8A 0G3  
TEL: 604.483.2376 [www.aerodesign.ca](http://www.aerodesign.ca)

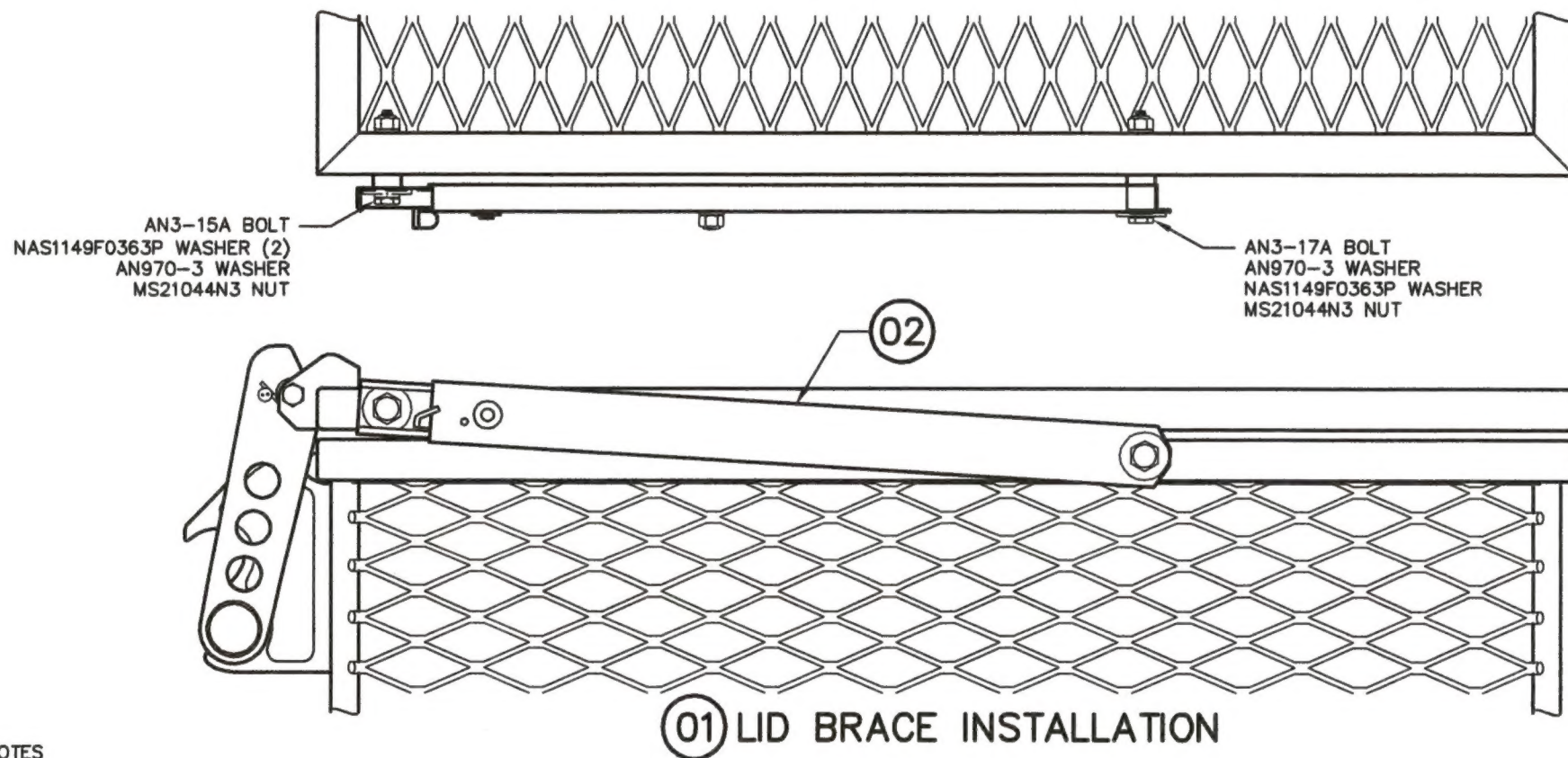
### HELICOPTER CARGO BASKET HANDLE BAR INSTALLATION

SCALE 1 : 1	DWG. SIZE	DWG. NO.	REV.
SHEET 1 OF 1	A3	84255	2

2016-57

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REV.	DESCRIPTION OF CHANGE	INITIALS	DATE
0	INITIAL ISSUE	*	*



## NOTES

1. THIS DRAWING APPLIES TO ALL AERO DESIGN LTD. CARGO BASKET ASSEMBLIES.  
LID PROP IS TO BE INSTALLED ON THE FORWARD END OF THE BASKET AS INSTALLED ON THE HELICOPTER.

2	MS21044N3		NUT
3	NAS1149F0363P		WASHER
2	AN970-3		WASHER
1	AN3-17A		BOLT
1	AN3-15A		BOLT
1	36280-01	02	LID BRACE ASSEMBLY
	84240-01	01	LID BRACE INSTALLATION
01	PART NO.	ITEM	DESCRIPTION
QTY.	LIST OF MATERIALS		

APPROVALS	DATE
DRAWN: JEFF CLARKE	21 MAY 2014
CHECKED: JASON REKVE	21 MAY 2014
UNLESS OTHERWISE SPECIFIED DIMENSIONS ARE IN INCHES. TOLERANCES ON:	
DECIMALS	ANGLES
X.XXX ±0.010	±1/2°
X.XX ±0.03	
X.X ±0.1	



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**HELICOPTER CARGO BASKET  
ALL MODELS  
LID BRACE INSTALLATION**

NOT TO SCALE	DWG. SIZE	DWG. NO.	REV.
SHEET 1 OF 1	A4	84240	0